

Title (en)

SIGNALING OF INFORMATION INDICATING TRANSFORM KERNEL SET IN IMAGE CODING

Title (de)

SIGNALISIERUNG VON INFORMATIONEN ZUR ANZEIGE DES TRANSFORMATIONSKERNELSATZES BEI DER BILDCODIERUNG

Title (fr)

SIGNALISATION D'INFORMATIONS INDIQUANT UN ENSEMBLE DE NOYAUX DE TRANSFORMÉE DANS UN CODAGE D'IMAGE

Publication

EP 3989581 A4 20230628 (EN)

Application

EP 20825768 A 20200611

Priority

- US 201962863813 P 20190619
- KR 2020007597 W 20200611

Abstract (en)

[origin: EP3989581A1] An image decoding method according to the present document comprises a step of generating residual samples of a current block on the basis of residual information, wherein the residual information comprises a multiple transform selection (MTS) index and information regarding transform coefficients, the residual samples are generated from transform coefficients according to the information regarding the transform coefficients by using a transform kernel set, the transform kernel set is determined by the MTS index from among transform kernel set candidates, at least one of bins of a bin string of the MTS index is derived on the basis of context coding, the context coding is performed based on a value of a context index with respect to the MTS index.

IPC 8 full level

H04N 19/13 (2014.01); **H04N 19/12** (2014.01); **H04N 19/132** (2014.01); **H04N 19/18** (2014.01); **H04N 19/70** (2014.01)

CPC (source: CN EP KR US)

H04N 19/12 (2014.11 - EP); **H04N 19/124** (2014.11 - US); **H04N 19/13** (2014.11 - CN EP); **H04N 19/132** (2014.11 - CN EP KR); **H04N 19/18** (2014.11 - CN EP KR); **H04N 19/625** (2014.11 - CN KR US); **H04N 19/70** (2014.11 - CN EP KR); **H04N 19/94** (2014.11 - US); **H04N 19/39** (2014.11 - US)

Citation (search report)

- [E] EP 3989562 A1 20220427 - LG ELECTRONICS INC [KR]
- [XI] BENJAMIN BROSS ET AL: "Versatile Video Coding (Draft 3)", no. JVET-L1001-v7; JVET-L1001, 20 December 2018 (2018-12-20), pages 1 - 223, XP030200071, Retrieved from the Internet <URL:http://phenix.int-evry.fr/jvet/doc_end_user/documents/12_Macao/wg11/JVET-L1001-v11.zip JVET-L1001-v7.docx> [retrieved on 20181220]
- [XI] BENJAMIN BROSS ET AL: "Versatile Video Coding (Draft 5)", no. JVET-N1001-v8; JVET-N1001, 11 June 2019 (2019-06-11), pages 1 - 397, XP030205561, Retrieved from the Internet <URL:http://phenix.int-evry.fr/jvet/doc_end_user/documents/14_Geneva/wg11/JVET-N1001-v8.zip JVET-N1001-v8.docx> [retrieved on 20190611]
- [XP] CAO (HIKVISION) X ET AL: "Non-CE6: Simplification on MTS index coding", no. m48499 ; JVET-O0380, 26 June 2019 (2019-06-26), XP030222095, Retrieved from the Internet <URL:http://phenix.int-evry.fr/mpeg/doc_end_user/documents/127_Gothenburg/wg11/m48499-JVET-O0380-v1-JVET-O0380.zip JVET-O0380/JVET-O0380-v1.docx> [retrieved on 20190626]
- See also references of WO 2020256344A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3989581 A1 20220427; **EP 3989581 A4 20230628**; CN 114128276 A 20220301; JP 2022538033 A 20220831; JP 2023116782 A 20230822; JP 7302037 B2 20230703; JP 7476401 B2 20240430; KR 20210158400 A 20211230; MX 2021016152 A 20220222; US 11503298 B2 20221115; US 11895300 B2 20240206; US 2022116608 A1 20220414; US 2023059802 A1 20230223; WO 2020256344 A1 20201224

DOCDB simple family (application)

EP 20825768 A 20200611; CN 202080052291 A 20200611; JP 2021575528 A 20200611; JP 2023101758 A 20230621; KR 2020007597 W 20200611; KR 20217041547 A 20200611; MX 2021016152 A 20200611; US 202117555881 A 20211220; US 202217967106 A 20221017